

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-123. (Cancelled)

124. (Previously Presented) A method for generating an aerosol comprising the steps of:

(a) heating a coating comprising a physiologically active compound, deposited onto a metal screen, by passing a current across the metal screen to vaporize at least a portion of the compound; and

(b) simultaneously passing a gas through the metal screen thereby mixing the resulting vapor with the gas in a predetermined ratio, selected to form an aerosol comprised of particles within a desired size range when a stable concentration of particles in the gas is reached.

125. (Previously Presented) The method of claim 124 wherein the metal is stainless steel.

126. (Previously Presented) The method of claim 125 wherein the screen is 200 mesh.

127. (Previously Presented) The method of claim 124 wherein the screen is 200 mesh.

128. (Previously Presented) The method of claim 124 wherein the current is supplied by discharging a capacitor.

129. (Previously Presented) The method of claim 124 wherein the current is passed across the screen for less than about 20 milliseconds.

130. (Previously Presented) The method of claim 124 further comprising administering the resulting aerosol to a patient.

131-184. (Canceled)

185. (Currently Amended) ~~The~~ A method of claim 184 for generating an aerosol comprising the steps of:

(a) depositing a coating comprising the physiologically active compound onto a substrate, wherein the depositing a coating comprises dissolving the compound in an organic solvent, applying the solution to all or a portion of the substrate and allowing the solvent to evaporate;

(b) heating the physiologically active compound to vaporize at least a portion of the compound;

(c) cooling the resulting vapor by mixing the vapor with a gas in a predetermined ratio, selected to form an aerosol comprised of particles within a desired size range when a stable concentration of particles in the gas is reached.

186.-210. (Cancelled)

211. (Previously Presented) The method of claim 124 wherein the stable concentration is about 10^9 particles/cc.

212.-214. (Cancelled)

215. (Currently Amended) ~~The~~ A method of claim 214 for generating an aerosol comprising the steps of:

(a) depositing a coating comprising a physiologically active compound onto a substrate, wherein the depositing a coating comprises dissolving the compound in an organic solvent, applying the solution to all or a portion of the substrate and allowing the solvent to evaporate;

(b) heating the physiologically active compound to vaporize at least a portion of the compound;

(c) cooling the resulting vapor by mixing the vapor with a gas in a predetermined ratio, selected to form an aerosol comprised of particles within a desired size range that are sufficiently stable that they will remain within that range during the time necessary to administer the aerosol to a patient.

216.-229 (Cancelled).